

Assembled Chemical Weapons Assessment Program

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Program Manager

Program Background

- ◆ **Mandated by Congress**
 - **National Defense Appropriations Act FY97 (Public Law 104-208)**
 - **Allocates \$40 million for assessment**
 - **Requires Program Manager outside current incineration demilitarization program**
 - **Suspends funding for incineration at Blue Grass Chemical Activity and Pueblo Chemical Depot**
 -
- ◆ **Focuses on disposal alternatives for assembled chemical weapons**

Assembled Chemical Weapons Assessment Program Goal

**Identify and demonstrate not less than
two alternatives to the baseline
incineration process for the
demilitarization of assembled chemical
munitions**

U.S. Stockpile Sites for Assembled Chemical Weapons

Umatilla Chemical Depot, OR

Ton Containers (H)
Projectiles (GB, VX)
Rockets (GB, VX)
Bombs (GB)
Mines (VX)
Spray Tanks (VX)

Blue Grass Chemical Activity, KY

Projectiles (H, GB, VX)
Rockets (GB, VX)

Deseret Chemical Activity, UT

Ton Containers (HD, GB, VX, L, GA, TGA)
Projectiles (H, GB, VX)
Rockets (GB, VX)
Bombs (GB)
Mines (VX)
Spray Tanks (VX)
Cartridges (HD, HT, GB)

Anniston Chemical Activity, AL

Ton Containers (HD)
Projectiles (HD, GB, VX)
Rockets (GB, VX)
Mines (VX)
Cartridges (HT, HD, GB)

Pine Bluff Chemical Activity, AR

Ton Containers (HD, HT)
Rockets (GB, VX)
Mines (VX)

LEGEND

GB	GB-Nerve Agent
VX	VX-Nerve Agent
H	H-Blister Agent
HD	HD-Blister Agent
HT	HT-Blister Agent
L	Lewisite Agent
GA	GA-Nerve Agent
TGA	TGA-Nerve Agent

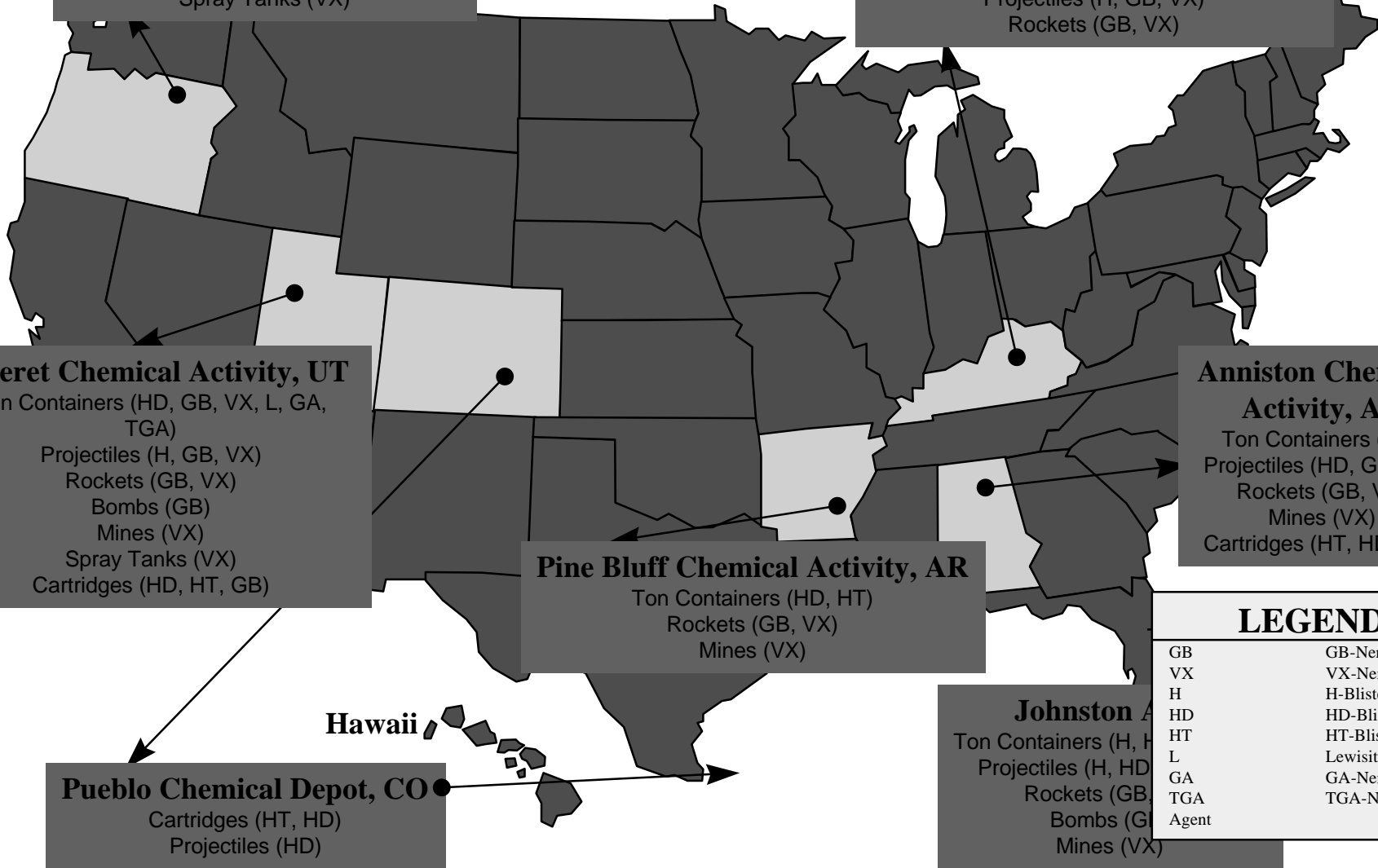
Johnston Atoll

Ton Containers (H, HD)
Projectiles (H, HD)
Rockets (GB, VX)
Bombs (GB)
Mines (VX)

Pueblo Chemical Depot, CO

Cartridges (HT, HD)
Projectiles (HD)

Hawaii



Public Involvement

- ◆ Due to the complexity and political nature of chemical weapons disposal, a diversity of public interests requested that DoD include stakeholders in the decision making process.
- ◆ DoD supported this idea and helped initiate a formal process.

Dialogue on ACWA

- ◆ At the request of DoD and a diversity of citizens, The Keystone Center convened the Dialogue on Assembled Chemical Weapons Assessment.
- ◆ Keystone is a not for profit organization that serves as a mediator and neutral facilitator on national public policy issues.

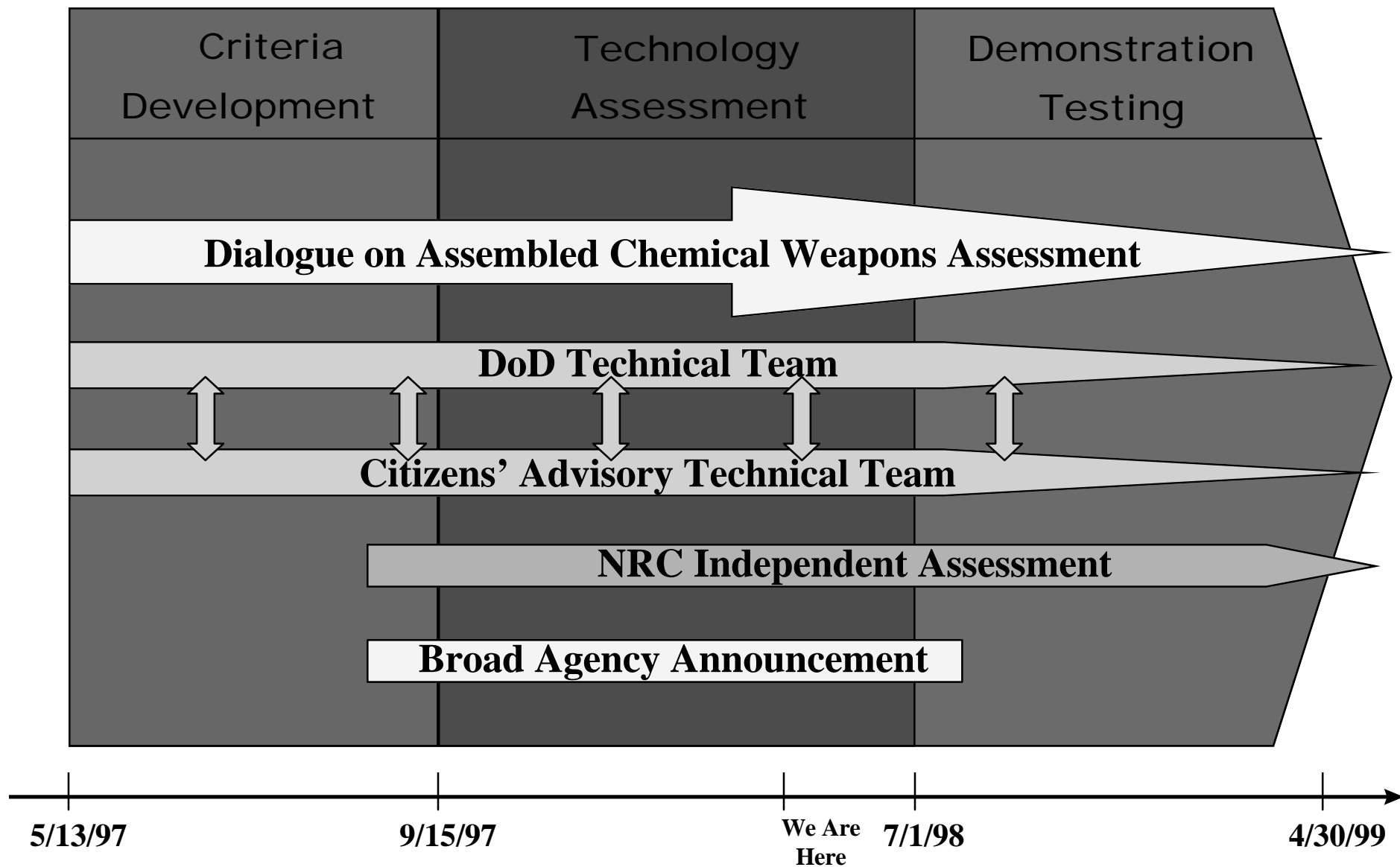
Participants

☛ Participants Include: community participants from each of the nation's stockpile locations; appropriate state and tribal regulators; relevant EPA staff; DoD staff from affected sites and headquarters; representatives from national groups that work on these issues; and other concerned entities.



Implementation Plan

- ◆ Develop assessment criteria
 - Chemical agent plus energetics and metal parts
- ◆ Assess available technologies
 - Industry technology proposals submitted September 1997
 - DoD review
 - NRC Review
- ◆ Award demonstration project
 - Expected late FY98
 - Locations to be determined



Criteria Development Phase

Informational Commerce Business Daily Announcement	February 21, 1997
Criteria Development Workshop	May 13-14, 1997
Dialogue Meeting (Colorado Springs, CO)	May 29-31, 1997
Criteria Development Workshop	June 4-5, 1997
Commerce Business Daily Announcement	June 9, 1997
Dialogue Meeting (Lexington, KY)	June 16-17, 1997
Pre-Solicitation Conference for Industry	June 25-27, 1997
Dialogue Meeting (Baltimore, MD)	June 30-July 2, 1997
Request for Proposals Publication	July 28, 1997

Evaluation Criteria

◆ Threshold (Go/No Go) Criteria

- Initial evaluation
- Select technologies for data gap contracts

◆ Demonstration Selection Criteria

- Identify data gaps
- Select technologies for demonstration

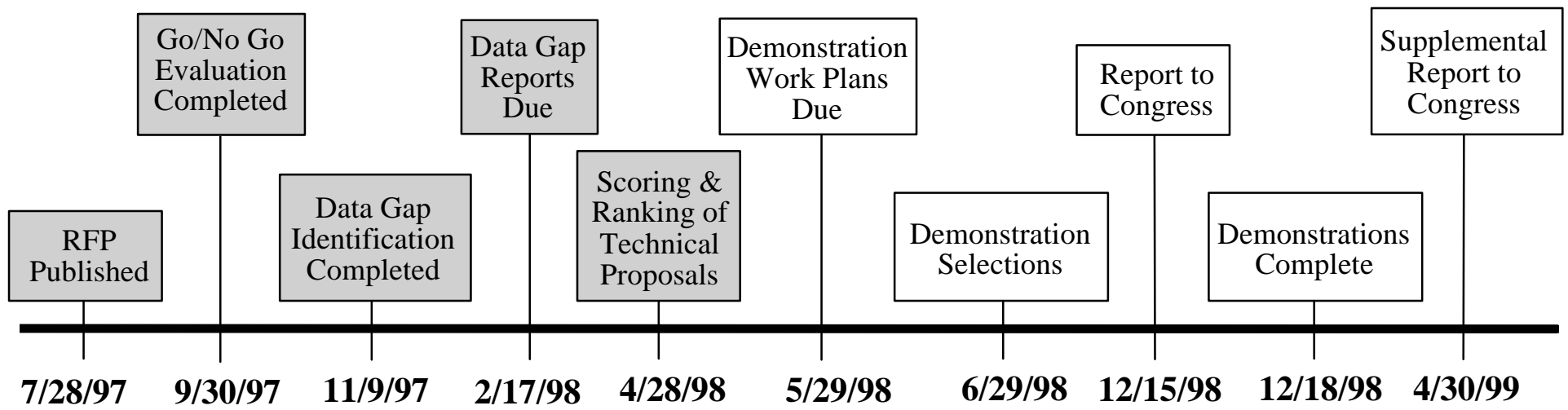
◆ Implementation Evaluation Criteria

- Post demonstration evaluation
- Used to prepare Congressional Report
- Assess technologies for Implementation

CLIN 0002 Recipients

Offeror	Agent/Energetic Treatment
AEA Technology	Electrochemical oxidation using silver ions in nitric acid at 90°C (Silver II)
Burns and Roe	Plasma arc in inert argon
General Atomics	Hydrolysis with caustic, supercritical water oxidation (SCWO)
Lockheed Martin	Hydrolysis with caustic at 90°C, SCWO, Eco Logic gas phase chemical reduction (GPCR)
Parsons and Allied Signal	Hydrolysis with caustic at 90°C followed by biotreatment
Teledyne Commodore	Solvated electron treatment (SET)

Assessment/Demonstration



 Completed

ACWA Information



◆ ACWA Web Site (dialogue.pmacwa.org)

- Items
 - Press Releases
 - CBD Announcements
 - Fact Sheets
 - Meeting Schedules
 - Dialogue Information
 - Evaluation Criteria

◆ Outreach Centers

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Summary

◆ **New Way of Doing Business**

- Public Involvement Upfront and Often
- Procurement Process

◆ **Program Status Report To Congress** December 15, 1998